

PATENT ABSTRACTS OF JAPAN

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(54) PIGMENT FOR COSMETIC AND COSMETIC CONTAINING THE PIGMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a cosmetic pigment which permits the employment of a generally used oil, a generally used surfactant, and so on, can give a moist touch and has an excellent water-repelling and oil-repelling property, and to provide a cosmetic containing the cosmetic pigment.

SOLUTION: This pigment for cosmetics, characterized by simultaneously treating the surface of a powdery pigment for the cosmetics with a perfluoroalkyl group-having phosphate represented by the general formula (1) [Rf is a 3 to 21C perfluoroalkyl or a perfluorooxyalkyl which may be linear or branched and may have a single chain length or plural chain lengths; (n) is an integer of 1 to 12; (y) is the number of 1 to 3; M is H, an alkali metal, an ammonium or a substituted ammonium] and with an ester which is represented by the general formula (2) [(n) is an integer; (a), (b), (c) and (d) are molar ratios, respectively, in the polymer, provided that (a), (b), (c) and (d) are not each zero; (d) is 40 to 60 mol.%] and is obtained by esterifying a copolymer with methylpolysiloxane whose methyl groups are partially substituted by hydroxypropyl, wherein the copolymer has a mol.wt. of 30,000 to 300,000 and is obtained by copolymerizing 2-ethylhexyl acrylate, methacrylic acid, methyl methacrylate, and butyl methacrylate.

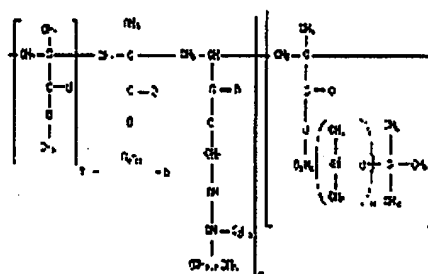


FIG. 1 is a schematic diagram of the structure of the pigment for cosmetics according to the present invention.

FIG. 2 is a schematic diagram of the structure of the copolymer according to the present invention.

FIG. 3 is a schematic diagram of the structure of the copolymer according to the present invention.